

Title (en)
BATTERY PACK AND ELECTRICAL APPARATUS

Title (de)
BATTERIEPACK UND ELEKTRISCHE VORRICHTUNG

Title (fr)
BLOC-BATTERIE ET APPAREIL ÉLECTRIQUE

Publication
EP 4307417 A1 20240117 (EN)

Application
EP 22936050 A 20220602

Priority
CN 2022096790 W 20220602

Abstract (en)
A battery pack (1) and an electric device including the battery pack (1). The battery pack (1) includes a battery pack container and first, second and third battery cells (61, 62, 63) accommodated in different regions of the battery pack container, the first, second and third battery cells (61, 62, 63) each has a first and a second discharge voltage plateau, an average discharge voltage of the first discharge voltage plateau is higher than an average discharge voltage of the second discharge voltage plateau, and the first, second and third battery cells (61, 62, 63) have different proportions of the discharge capacity corresponding to the second discharge voltage plateau. By configuring battery cells with different low-temperature energy retention rates having the first and the second discharge voltage plateaus in regions with different temperatures inside the battery pack container, the energy released by the battery cells in the regions with different temperatures at low temperatures is approximately the same and the overall energy retention rate at low temperatures is enhanced.

IPC 8 full level
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CPC (source: EP KR US)
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H01M 10/0525 (2013.01 - KR); **H01M 10/4207** (2013.01 - KR); **H01M 50/204** (2021.01 - US); **H01M 50/207** (2021.01 - KR);
H01M 50/24 (2021.01 - KR); **H01M 50/267** (2021.01 - US); **H01M 2004/028** (2013.01 - KR US); **Y02E 60/10** (2013.01 - EP)

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BA ME

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